



- Drafts
- Pending
- Active
- Failed
- Saved
- S1: (2) ("3697022") or ("5820080").PN.
- S2: (69846) (aircraft or airplane or plane) same (land or landing)
- S3: (1262807) strip or runway
- S4: (15208) S2 and S3
- S5: (1956801) align or aligned or aligning or alignment
- S6: (5847) S4 and S5
- S7: (1024769) approach
- S8: (2151) S6 and S7
- S9: (4130172) lateral or laterally or vertical or vertically
- S10: (1832) S8 and S9
- S11: (1720649) "ILS" or (instrument adj landing adj system)
- S12: (663) S10 and S11
- S13: (23489) cue
- S14: (35) S12 and S13
- S15: (6252) ((342/33-39) or (342/176) or (342/179-185) or (244/17.13) or (244/181-188) or (340/96...)
- S16: (2656) S15 and @ad<="20040318"
- S17: (70264) (aircraft or airplane or plane) same (land or landing)
- S18: (1270218) strip or runway
- S19: (15301) S17 and S18
- S20: (1975522) align or aligned or aligning or alignment
- S21: (5888) S19 and S20
- S22: (1041070) approach
- S23: (2173) S21 and S22
- S24: (4160033) lateral or laterally or vertical or vertically
- S25: (1851) S23 and S24
- S26: (1746414) "ILS" or (instrument adj landing adj system)
- S27: (666) S25 and S26
- S28: (23971) cue
- S29: (0) S27 and S28 and @ad<="20040318" and @pd>="20051206"
- S30: (6290) ((342/33-39) or (342/176) or (342/179-185) or (244/17.13) or (244/181-188) or (340/96...)
- S31: (22) S30 and @ad<="20040318" and @pd>="20051206"

Favorites

Document	Issue-By	Pages	Title	Inventor	Current	O/C

Ready

Search	Set	Browse	Advanced	Clear
DB:	US-PPG&USPAT&USOCR			
Default order:	ORIGIN			

342/33-39  
342/176  
342/179-185  
244/17.13  
244/181-188  
340/963  
340/972-980  
701/14  
701/16  
701/17

Structured form	Custom form	BRS form	SIR form	Hits	Details	Image	Text	HTML

No text available to display

NUM

File Edit Tools Window Help

Drafts Pending Active

- L2: (70315) (aircraft or airplane or plane) same (land or landing)
- L3: (1270999) strip or runway
- L4: (15316) L2 and L3
- L5: (1977220) align or aligned or aligning or alignment
- L6: (5893) L4 and L5
- L7: (1042453) approach
- L8: (2176) L6 and L7
- L9: (4162806) lateral or laterally or vertical or vertically
- L10: (1834) L8 and L9
- L11: (1751409) "ILS" or (instrument adj landing adj system)
- L12: (667) L10 and L11
- L13: (24023) cue
- L14: (35) L12 and L13
- L15: (35) (L12 and L13)' CLM'
- L16: (3214) ((aircraft or airplane or plane) same (land or landing)) CLM.
- L17: (69157) (align or aligned or aligning or alignment) CLM.
- L18: (637) ((aircraft or airplane or plane) same (land or landing)) CLM.
- L19: (72) L17 AND L18

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- S1: (2) ("3697022" or ("5820080")) PN.
- S2: (69846) (aircraft or airplane or plane) same (land or landing)
- S3: (1262807) strip or runway
- S4: (15208) S2 and S3
- S5: (1956801) align or aligned or aligning or alignment
- S6: (5847) S4 and S5
- S7: (1024769) approach
- S8: (2151) S6 and S7
- S9: (4130172) lateral or laterally or vertical or vertically
- S10: (1832) S8 and S9
- S11: (1720649) "ILS" or (instrument adj landing adj system)
- S12: (663) S10 and S11
- S13: (23489) cue
- S14: (35) S12 and S13

17 AND 18

*reference search*

#	Document ID	Issue Date	Pages	Title	Investor	Current O
1	US 2001005	20011227	7	PEAK STRAIN DETECT	ARMS, ST	73/786
2	US 2002000	20020102	25	Aircraft door and mold for	Bold, Jens e	244/129.5
3	US 2002000	20020113	34	SINGLE PASSENGER AIRMOBILIER	MOSHIER, 244/R	
4	US 2002004	20020422	23	Directional control and ref	Ladd, Paul	244/87
5	US 2002006	20020531	16	Fuel cell fluid flow field pla	Gibb, Peter	429/34
6	US 2002012	20020911	10	Method of manufacturing a	McComick	15/119.2
7	US 2002013	20020911	17	Vibrator	Oswald, Fred	366/122
8	US 2002014	20021001	22	Primed track construction	Jones, Harry	4/402

Structured form Custom form BRS form TISAR form Hits Details Image Text HTML

Search Terms	Total	US-PAT	US-PPG	EPO	JPO	Derma
AEROPLANE	275					
AEROPLANES	212					
AIRCRAFT	19982					
AIRCRAFTS	875					
AIRPLANE	7194					
AIRPLANES	4379					
ALIGN	65293					
ALIGNED	181719					
ALIGNEDS	0					

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CAP. NUM

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("3697022") or ("5820080").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/05 10:43
S2	69846	(aircraft or airplane or plane) same (land or landing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/05 10:44
S3	1262807	strip or runway	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/05 10:45
S4	15208	S2 and S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/05 10:45
S5	1956801	align or aligned or aligning or alignment	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/05 10:45
S6	5847	S4 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/05 10:47
S7	1024769	approach	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/05 10:47
S8	2151	S6 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/05 10:47

S9	4130172	lateral or laterally or vertical or vertically	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/05 10:48
S10	1832	S8 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/05 10:49
S11	1720649	"ILS" or (instrument adj landing adj system)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/05 10:49
S12	663	S10 and S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/05 10:49
S13	23489	cue	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/05 10:49
S14	35	S12 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 08:24
S15	6252	((342/33-39) or (342/176) or (342/179-185) or (244/17.13) or (244/181-188) or (340/963) or (340/972-980) or (701/14) or (701/16) or (701/17)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/06 08:14
S16	2656	S15 and @ad<="20040318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/06 08:15
S17	70264	(aircraft or airplane or plane) same (land or landing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 08:25

S18	1270218	strip or runway	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 08:25
S19	15301	S17 and S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 08:25
S20	1975522	align or aligned or aligning or alignment	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 08:25
S21	5888	S19 and S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 08:25
S22	1041070	approach	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 08:25
S23	2173	S21 and S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 08:25
S24	4160033	lateral or laterally or vertical or vertically	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 08:25
S25	1851	S23 and S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 08:25

S26	1746414	"ILS" or (instrument adj landing adj system)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 08:25
S27	666	S25 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 08:25
S28	23971	cue	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 08:25
S29	0	S27 and S28 and @ad<="20040318" and @pd>="20051206"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 08:26
S30	6290	((342/33-39) or (342/176) or (342/179-185) or (244/17.13) or (244/181-188) or (340/963) or (340/972-980) or (701/14) or (701/16) or (701/17)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/01 08:26
S31	22	S30 and @ad<="20040318" and @pd>="20051206"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 08:26

# SEARCH NOTES FOR EAST AND IEEE AND INSPEC AND IP.COM

SERIAL NUMBER 10803091

## EAST SEARCH

EAST: search history attached

## IEEE SEARCH

Recent Search Queries	Results
#1 (((aircraft or airplane or plane) and (land or landing) and (strip or runway) and (align or aligned or aligning or alignment))<in>metadata)	1

### 1. Sensor fusion methods for synthetic vision systems

Allerton, D.J.; Clare, A.J.;  
Digital Avionics Systems Conference, 2004. DASC 04. The 23rd  
Volume 1, 24-28 Oct. 2004 Page(s):4.A.3 - 41-13 Vol.1

## UPDATED SEARCH ABOVE 01FEB2006 and found same doc.

Recent Search Queries	Results
#2 (((aircraft or airplane or plane) and (land or landing) and (strip or runway) and (~ils~~ or (instrument and landing and system))))<in>metadata)	19

### 1. ILS-a safe bet for your future landings

McFarland, R.H.  
Aerospace and Electronic Systems Magazine, IEEE  
Volume 5, Issue 5, May 1990 Page(s):12 - 15

### 2. Evaluation of controller tools for conducting MLS curved approaches to New York's JFK Airport

Smith, A.; Shively, C.; Tarakan, R.; Dorfman, G.; Markin, K.  
Position Location and Navigation Symposium, 1990. Record. 'The 1990's - A Decade of Excellence in the Navigation Sciences'. IEEE PLANS '90., IEEE 20-23 Mar 1990 Page(s):247 - 254

### 3. The design, simulation and implementation of an accurate positioning system for automatic flight inspection

Scherzinger, B.M.; Feit, C.M.  
Position Location and Navigation Symposium, 1990. Record. 'The 1990's - A Decade of Excellence in the Navigation Sciences'. IEEE PLANS '90., IEEE 20-23 Mar 1990 Page(s):444 - 451

### 4. Issues in airborne systems for closely-spaced parallel runway operations

Pritchett, A.; Carpenter, B.; Asari, K.; Kuchar, J.; Hansman, R.J.  
Digital Avionics Systems Conference, 1995., 14th DASC  
5-9 Nov 1995 Page(s):140 - 145

### 5. Airborne and ground information for lateral spacing during closely spaced parallel approach operations

Battiste, V.; Holland-Bochow, S.; Johnson, N.H.

Digital Avionics Systems Conference, 2002. Proceedings. The 21st  
Volume 2, 2002 Page(s): 11B2-1 - 11B2-12 vol.2

**6. Flight demonstration of 3D perspective synthetic vision and ADS-B for closely spaced parallel approaches**

Jennings, C.; Charafeddine, M.; Powell, J.D.; Taamallah, S.  
Digital Avionics Systems Conference, 2002. Proceedings. The 21st  
Volume 2, 2002 Page(s): 11C1-1 - 11C1-11 vol.2

**UPDATED SEARCH ABOVE 01FEB2006 and found following new doc**

**1. Maximum Lateral Flight Deviations from the ILS Centerline**

Levy, B.S.  
Digital Avionics Systems Conference, 2005. DASC 2005. The 24th  
Volume 2, 30-03 Oct. 2005 Page(s): 14.D.5-1 - 14.D.5-9

**INSPEC SEARCH**

Search terms:

(aircraft or airplane or plane) and (land or landing) and (strip or runway) and ("ILS" or (instrument and landing and system))

**INSPEC – 1969 to date (INZZ)**

**Automatic approach and landing systems.**

*Author(s)*

Plinge-W-R.

*Source*

Measurement-and-Control (UK), vol.36, no.6, p.176–80, July 2003. , Published: Inst. Meas. Control.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

**Flight demonstration of 3D perspective synthetic vision and ADS-B for closely spaced parallel approaches.**

*Author(s)*

Jennings-C; Charafeddine-M; Powell-J-D; Taamallah-S.

*Source*

21st Digital Avionics Systems Conference. Proceedings, vol.2, Irvine, CA, USA, 27–31 Oct. 2002.

In: p.11C1-1-11 vol.2, 2002.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

**Airborne and ground information for lateral spacing during closely spaced parallel approach operations.**

*Author(s)*

Battiste-V; Holland-Bochow-S; Johnson-N-H.

*Source*

21st Digital Avionics Systems Conference. Proceedings, vol.2, Irvine, CA, USA, 27–31 Oct. 2002.

In: p.11B2-1-12 vol.2, 2002.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

**A new "all weather" landing system on AIRBUS: MLS.**

*Author(s)*

Tatham-G; Deknuydt-J-P.

*Source*

Navigation (France), vol.49, no.194, p.21-31, April 2001. , Published: Inst. Francaise Navigation.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

**A non-precision instrument approach procedure with vertical guidance (IPV) for aircraft landing using GPS.**

*Author(s)*

Sasi-Bhushana-Rao-G; Sarma-A-D; Venkata-Rao-V; Ramalingham-K.

*Source*

Journal-of-Navigation (UK), vol.54, no.2, p.281-91, May 2001. , Published: Cambridge University Press for

R. Inst. Navigation at R. Geogr. Soc.

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1

**UPDATED SEARCH ABOVE 01FEB2006 and found no new doc**

Search history:

No.	Database	Search term	Info added since	Results	
1	INZZ	(aircraft OR airplane OR plane) AND (land OR landing) AND (strip OR runway) AND (ILS OR instrument AND landing AND system)	unrestricted	59	<a href="#">show titles</a>
2	INZZ	(aircraft OR airplane OR plane) AND (land OR landing) AND (strip OR runway) AND (ILS OR instrument AND landing AND system)	20051206	0	

**IP.COM SEARCH**

Search terms:

(aircraft or airplane or plane) and (land or landing) and (strip or runway) and ("ILS" or (instrument and landing and system))

Result # 1      Relevance:

[Universal automatic landing system for remote piloted vehicles \(USH0000628\)](#)

1989-04-04

IPCOM000000624D

English (United States)

An automatic landing system for landing remotely piloted flying vehicles along a predetermined path and at a predetermined point. The system includes an autopilot carried by the flying vehicle for measuring the parameters of attitude, airspeed, and heading ...

---

Result # 2 Relevance:

Air Traffic Control and Instrument Landing System

1970-10-01 IPCOM000073013D English (United States)

This is a V-beam scanning system for air traffic control in which two fan beam scanners 1 and 2, as shown in A and B, are disposed transversely of the runway, and an omnidirectional beacon 3 provides the aircraft 4 with azimuthal information.

---

Result # 3 Relevance:

Flight Instrumentation System for Visual Approaches

1988-02-01 IPCOM000057011D English (United States)

A system uses real-time computer-generated images to allow pilots to make visual approaches and landings under weather conditions which would otherwise require an instrument approach. Extensions are made to the basic system which provide visual approaches with greater ...

---

Result # 4 Relevance:

Navigation Deviation Detection, Protection & Authorization System

2002-01-28 IPCOM000015412D English (United States)

Navigation Deviation Detection, Protection Authorization System Disclosed is an invention publication related to the transportation and airline industries entitled: The Navigation Deviation Detection, Protection Authorization System. This invention publication suggests a ...

---

Result # 5 Relevance:

System analysis using automatic dependent surveillance broadcast (ADS-B) for closely spaced parallel approaches

1999-12-31 . IPCOM000128076D English (United States)

The United States National Airspace System (NAS) is undergoing evolutionary changes in response to growing air traffic demands and aging equipment. In 1981 the Federal Aviation Administration initiated a modernization program to modernize, automate, and consolidate the ...

---

Result # 6 Relevance:

Shaded Computer Graphics in the Entertainment Industry

1978-03-01 IPCOM000131281D English (United States)

The term "shaded computer graphics"; refers to computer-generated images in which an intensity is calculated for each of a quarter-million or more resolvable spots which form a picture. Realistic images of this sort were first synthesized about a decade ago,'2 ...

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**UPDATED SEARCH ABOVE 01FEB2006 and found no new doc**

**Search query:** (aircraft or airplane or plane) and (land or landing) and (strip or runway) and ("ILS" or (instrument and landing system))

**Published** 12-6-2005 (Original publication date )  
**After:**